Part 12

EPA-RG-2014-004884



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 41) Federal Operating Permit Program

Date: 6/27/2013			RN No.: RN100218841	Permit No.:	O1152
Area Name: Kaneka Modified Plastics Division					
Area Name	e: Kanek	a Modified Plastics	S LIVISION		
For G	OP annli	cations answer ON	L questions unless otherwise directed. ILY these questions unless otherwise dir	ected.	
VIII. TIT	TLE 40 (IISSION ntinued)	CODE OF FEDER STANDARDS FO	AL REGULATIONS PART 63 (40 C OR HAZARDOUS AIR POLLUTANT	FR PART 63) IS FOR SOUR	
J.	Subpa Polyn	art U - National En ners and Resins <i>(co</i>	mission Standards for Hazardous Air ontinued)	Pollutant Emi	
	8.	wastewater streams	or streams or residual removed from Gross are transferred to an on-site treatment of erated by the owner or operator of the so te stream or residual.	speration mai	☐ YES ☐ NO
	9.	vivoctervoter etream	er streams or residual removed from Gross are transferred to an off-site treatment Question VIII.J.8 - VIII.J.9 are both "Note".	operation.	☐ YES ☐ NO
	10.	manage a Group 1	ea includes waste management units that wastewater stream or a residual remove er stream prior to shipment or transport.	o nom a	☐ YES ☐ NO
	······································		Containers		.
	11.	The application ar Group 1 wastewat wastewater stream	rea includes containers that receive, man ter stream or a residual removed from a on.	age, or treat a Group 1	YES NO
			Drains		T
	12.	manage a Group	rea includes individual drain systems that wastewater stream or a residual removeter stream. Question VIII.J.12. is "NO", go to Question viii.	ed Hom a	YES NO
	13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.			YES NO	
	14.	The application a	rea includes individual drain systems the OCFR § 63.136 through the use of water	at are er seals or	☐ YES ☐ NO
II					



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 42) Federal Operating Permit Program

Date: 6/27/2013		Permit No.: C	01152					
Area Name: Kaneka Modified Plastics Division								
For SOP ap	oplications, answer ALI	L questions unless otherwise di ULY these questions unless othe	/ Wille diff det et.					
VIII. TITLE 4 EMISSI	40 CODE OF FEDER ON STANDARDS FO	AL REGULATIONS PART OR HAZARDOUS AIR POLI	63 (40 CFR PART 63) LUTANTS FOR SOUR					
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)								
		Drains (continued)						
15	. 1	ea includes drains, drain hubs, in that are part of an elastomer proguestion VIII.J.15 is "NO", go	յըընկ ինննենն առե	☐ YES ☐ NO				
16	5. The application are trenches or pipes t	ea includes drains, drain hubs, hat meet the criteria listed in 40 Question VIII.J.16 is "NO", go	manholes, lift stations, OFR § 63.149(d) and	☐ YES ☐ NO				
1′	7. The application are trenches, or pipes	ea includes drains, drain hubs, that convey water with a total a tter than or equal to 10,000 par eting the definition of organic l	manholes, lift stations, annual average ts per million by weight	☐ YES ☐ NO				
1	8. The application as trenches or pipes concentration gre	rea includes drains, drain hubs, that convey water with a total a ater than or equal to 1,000 parts eting the definition of organic nual average flow rate greater	s per million by weight HAP in 40 CFR	<u> </u>				
1	trenches or pipes is a new affected equipment conve greater than or eq	rea includes drains, drain hubs, that are part of an elastomer pr source or part of a new affecterys water with a total annual averaged to 10 parts per million by volution of organic HAP in 40 CF ow rate greater than or equal to	d source and the erage concentration weight of compounds R § 63.482, at an	YES NO				



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 43) Federal Operating Permit Program

Date: 6/27/2013 RN No.: RN100218841 Termit No.: 07132 Area Name: Kaneka Modified Plastics Division					
, answer ALL questions unless otherwise direc s, answer ONLY these questions unless otherw	ise airectea.				
OF FEDERAL REGULATIONS PART 63 DARDS FOR HAZARDOUS AIR POLLU	(40 CFR PART 63) - NATIONAL TTANTS FOR SOURCE CATEGORIES				
- National Emission Standards for Hazardo and Non-nylon Polyamides Production	and/or manufacture YES NO NA				
1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. If the response to Question VIII.K.1 is "NO" or "N/A", go to Section VIII.L.					
ppment facility.					
L. Subpart X - National Emission Standards for Hazardous Air Pollutants from S Smelting					
§ 63.541(a) that are located at a secondary lear response to Question VIII.L.1 is "NO" or "N	d smeiter.				
pplication area is using and approved alternat 3.545(c)(1)-(5) for control of fugitive dust en	e to the requirements YES NO NO NO NO				
pplication area includes marine tank vessel lo pecified in 40 CFR § 63.560 and located at an	ading operations that 🗌 YES 🔀 NO				
C - National Emission Standards for Hazar	dous Air Pollutants from Petroleum				
Applicability	rocess units and/or YES NO				
1. The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). If the response to Question VIII.N.1 is "NO", go to Section VIII.O.					
	of FEDERAL REGULATIONS PART 63 NDARDS FOR HAZARDOUS AIR POLLUCTORY PART 63 NDARDS FOR HAZARDOUS AIR POLLUCTORY PART 63 NDARDS FOR HAZARDOUS AIR POLLUCTORY				



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 44) Federal Operating Permit Program

Date: 6/27/2013 RN No.: RN100218841 Permit No.: O						O1152
 Area Na	ame:]	Kaneka	a Modified Plastics	Division		
Fo	or SOI	appli	cations, answer AL	L questions unless otherwise a ULY these questions unless oth	<u></u>	
	TITI EMI	E 40 (SSION	CODE OF FEDER N STANDARDS FO	AL REGULATIONS PART OR HAZARDOUS AIR POI	C 63 (40 CFR PART 65) LUTANTS FOR SOU	
	N.	Subp Refir	art CC - National ieries	Emission Standards for Haz	ardous Air Pollutants	from Petroleum
		-		Applicability		
		2.	within the applicat	ning process units/and or relat ion area are specified in g)(1) - (g)(7). Question VIII.N.2 is "YES", g		☐ YES ☐ NO
	<u></u>	3.	The application ar	ea is located at a plant site tha eral Clean Air Act § 112(a). Question VIII.N.3 is "NO", go	t is a major source as	☐ YES ☐ NO
		4.	The application as equipment contain	rea is located at a plant site what ning/contacting one or more of Part 63, Subpart CC. Question VIII.N.4 is "NO", g	ich emits or has f the HAPs listed in	YES NO
		5.	The application a conveyed, stored,	rea includes Group 1 wastewa or treated in a wastewater streams subject to the provisi 7 of Subpart G wastewater pr	ter streams that are not eam management unit ons of 40 CFR	☐ YES ☐ NO
		6.	The application a conveyed, stored	rea includes Group 2 wastewa, or treated in a wastewater str streams subject to the provisity of Subpart G wastewater provising the streams of the provision of the provision of the provision of the stream of the	nter streams that are not eam management unit ons of 40 CFR	☐ YES ☐ NO
		7.	The application a that are conveyed management uni 40 CFR §§ 63.13 section. If the response to	trea includes Group 1 or Groud, stored, or treated in a wasted that also receives streams subjected in a wasted of Guestion VIII.N.7 is "NO",	p 2 wastewater streams water stream bject to the provisions of ewater provisions go to Section VIII.O.	
		8.	The application	area includes Group 1 or Groung with 40 CFR § 63.640(o)(2	ip 2 wastewater streams	YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 45) Federal Operating Permit Program

Date: 6/27/2013			RN No.: RN100218841	Permit No.:	01152
Area Na	ame: k	₹ Zanek	ta Modified Plastics Division		
<i>Fo Fo</i>	or SOP or GOP	' appli ' appl	ications, answer ALL questions unless otherwise directed. lications, answer ONLY these questions unless otherwise direct	ted.	
VIII.	TITL EMIS (conti	SSION	CODE OF FEDERAL REGULATIONS PART 63 (40 CFR N STANDARDS FOR HAZARDOUS AIR POLLUTANTS)	R PART 63) FOR SOU) - NATIONAL RCE CATEGORIES
			oart CC - National Emission Standards for Hazardous Air F neries <i>(continued)</i>	Pollutants f	from Petroleum
		9.	The application area includes Group 1 or Group 2 wastewater that are complying with 40 CFR § 63.640(o)(2)(ii). If the response to Question VIII.N.9 is "NO", go to Section VI		☐ YES ☐ NO
		10.	The application area includes Group 2 wastewater streams or streams whose benzene emissions are subject to control throu use of one or more treatment processes or waste management under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	igh the units	☐ YES ☐ NO
			Containers, Drains, and other Appurtenanc	ces	
		11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying wit § 63.640(o)(2)(ii).		☐ YES ☐ NO
		12.	The application area includes individual drain systems that are to the requirements of 40 CFR § 63.136 as a result of complying 40 CFR § 63.640(o)(2)(ii).	e subject ing with	☐ YES ☐ NO
	Ο.	Subp	oart DD - National Emission Standards for Off-site Waste a	nd Recove	ry Operations
	-	1.	The application area is located at a plant site receiving materia meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). If the response to Question VIII.O.1 is "NO" or "N/A", go to VIII.P.		☐ YES ⊠ NO ☐ N/A
	*****	2.	Materials specified in 40 CFR § 63.680(b)(2) are received at application area.	the	☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 46) Federal Operating Permit Program

Date: 6/27/2013			RN No.: RN100218841	Permit No.:	O1152
Area N	Vame: Kan	eka Modified Plastics	Division		
	For SOP ap	plications, answer AL	L questions unless otherwise di VLY these questions unless othe	wise airected.	THE TYPING THE
VIII.	TITLE 4 EMISSIO	0 CODE OF FEDER ON STANDARDS FO 2d)	AL REGULATIONS PART OR HAZARDOUS AIR POLI	63 (40 CFR PART 63) LUTANTS FOR SOU	KOL CITZLO III
	O. Su	bpart DD - National	Emission Standards for Off-s	ite Waste and Recove	ry Operations
<u> </u>	3.	The application are	ea has a waste management ope d is regulated under 40 CFR Pa	eration receiving	YES NO
	4.	The application are	ea has a waste management ope is an off-site material and is ex	eration treating	☐ YES ☐ NO
	5.	The application ar	ea has an operation subject to C but is not owned by a "state" or	Clean Water Act, "municipality."	☐ YES ☐ NO
	6.	<u>-</u>	activity in the application area i		YES NO
	7.	reprocesses hazard	ea has a recovery operation that lous waste which is an off-site 0 CFR §§ 264.1(g)(2) or 265.10	material and is	YES NO
	8.	The application as reprocesses used a chemical petrol	rea has a recovery operation that solvent which is an off-site mat eum, or other manufacturing properties by another subpart of	t recycles or erial and is not part of rocess that is required	YES NO
	9.	reprocesses used 40 CFR Part 279, Refiners).	rea has a recovery operation that oil which is an off-site material Subpart F (Standards for Used	Oil Processors and	
	10	of HAPs in the of	rea is located at a site where the f-site material is less than 1 me Question VIII.O.10 is "YES",	gagram per year.	☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 47) Federal Operating Permit Program

PN No : RN100218841 Permit No.							01152
Date. Of Eff E 0 13				RN No.: RN100218841			V:104
Area N	Iame: K	Caneka	a Modified Plastics	Division			
	For GOP	o appli	ications, answer ON	. questions unless otherwise o LY these questions unless ot	TET WISE all colo	d	
VIII.	TITL EMIS (conti	E 40 (SSION inued)	CODE OF FEDER STANDARDS FO	AL REGULATIONS PAR OR HAZARDOUS AIR PO	r 63 (40 CFR) Llutants f	PART 63) OR SOU	RCE CATEGORIES
				Emission Standards for Off	-site Waste an	d Recove	ry Operations
		11.	The application are concentration less to combined with mat	a receives offsite materials whan 500 ppmw at the point of the reials having a VOHAP conduction.	vith average VC f delivery that a centration of	OHAP [_ YES □ NO
	<u></u>	12.	VOHAP concentra	tion is determined by direct 1	neasurement.		YES NO
	13. VOHAP concentration is based on knowledge of the offsite material.				aterial.	☐ YES ☐ NO	
		14.	The application are compressor, and ag system, open-ende system.	ea includes an equipment congitator, pressure relief device d valve or line, valve, connection VIII. O.14 is "NO",	nponent that is, sampling constor or instrume	a pump, nection entation	□ YES □ NO
		15.	An equipment con	nponent in the application are ith a HAP concentration great	ea contains or c nter than or equ	ontacts al to	☐ YES ☐ NO
		16.	An equipment con	nponent in the application are during a 12-month period.	ea is intended to	o operate	YES NO
	<u></u>	17.		ea includes containers that m	anage non-exe	mpt off-	☐ YES ☐ NO
		18.	The application as non-exempt off-si	rea includes individual drain te materials.	systems that m	anage	☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 48) Federal Operating Permit Program

 Date: 6	Permi RN No.: RN100218841 Permi					: O1152
			a Modified Plastics Divisi	on		
	or SOI	P appl P appl	ications, answer ALL ques lications, answer ONLY th	tions unless otherwise directed tese questions unless otherwise	an cerea.	
VIII.	TITI EMI	LE 40 SSIOI inued	CODE OF FEDERAL R N STANDARDS FOR H	EGULATIONS PART 63 (40 AZARDOUS AIR POLLUTA	CFR PART 6 NTS FOR SO	, , , , , , , , , , , , , , , , , , ,
	P.	Subp	oart GG - National Emis	sion Standards for Aerospace	Manufacturin	g and Rework Facilities
		1.	The application area incl	udes facilities that manufacture itary aerospace vehicles or com on VIII.P.1 is "NO" or "N/A",	or rework ponents.	☐ YES ⊠ NO ☐ N/A
	47-	2.	specified in 40 CFR § 63			☐ YES ☐ NO
	Q.	Sub _j Gas	part HH - National Emis Production Facilities.	sion Standards for Hazardous	s Air Pollutant	
*		1.	National Emission Standard Natural Gas Productor For GOP applications,	go to Section VIII.Y	nts from On	☐ YES ⊠ NO
	R.	Sub	part II - National Emissi	pair (Surface Coating)		
		1.	The application area inc	ludes shipbuilding or ship repair ion VIII.R.1 is "NO", go to Sec	ir operations.	☐ YES ⊠ NO
		2.		pair operations located in the ap		YES NO
	S.	Sub		ion Standards for Wood Furi	niture Manufa	cturing Operations
		1.	The application area incoperations and/or wood	cludes wood furniture manufact furniture component manufact tion VIII.S.1 is "NO" or "N/A"	uring uring	☐ YES ⊠ NO ☐ N/A
		2.	manufacturer" as defin	eets the definition of an "incide ed in 40 CFR § 63.801.		YES NO
	т.	Sul	part KK - National Emi	ssion Standards for the Print	ing and Publis	ning Industry
		1.	The application area in	cludes publication rotogravure, or wide-web flexographic prin	product and	☐ YES ☑ NO ☐N/A
L						



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 49) Federal Operating Permit Program

Data: 6/27/20	12		RN No.: RN100218841	Permit No.: O1152	
Date: 6/27/20					
For SOI	P appli P appl	lications, answer ON	L questions unless otherwise directed. TLY these questions unless otherwise di	ected.	
VIII. TITI EMI		CODE OF FEDER N STANDARDS FO	AL REGULATIONS PART 63 (40 C OR HAZARDOUS AIR POLLUTAN	FR PART 63) - NATIONAL RCE CATEGORIES
U.	Subp	art PP - National F	Emission Standards for Containers		
	1.	The application are Part 60, 61, or 63 s	a includes containers for which another ubpart references the use of 40 CFR Parcontrol of air emissions. Duestion VIII. U.1 is "NO", go to Section	rt 63,	□ YES ⊠ NO
	2.	The application are controls.	ea includes containers using Container I	evel 1	☐ YES ☐ NO
	3.	The application are controls.	ea includes containers using Container I	Level 2	☐ YES ☐ NO
	4. The ap		ea includes containers using Container I	Level 3	☐ YES ☐ NO
v.	Subj	part RR - National	Emission Standards for Individual D	rain Systems	
	1.	The application are	ea includes individual drain systems for art 60, 61, or 63 subpart references the v part RR for the control of air emissions.	which	☐ YES ⊠ NO
W.	Sub	nart VV - National	Emission Standards for Hazardous A nievable Control Technology Standar	Air Pollutants ds	for Source Categories -
	1.	The application ar	ea includes an acetal resins production dacrylic fiber production process unit constant (a)(i); or an existing polycarbo	process unit; omplying	☐ YES ⊠ NO
	2.	from an acetal res modacrylic fiber p	rea includes process wastewater streams ins production process unit; an acrylic a production process unit complying with a; or an existing polycarbonate production Questions VIII.W.1. and VIII.W.2. are in II.W.20	and 40 CFR on process.	☐ YES ⊠ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 50) Federal Operating Permit Program

Date: 6/27/2013 RN No.: RN100218841 Permit N					: O1152
Area Nam	ne: Kaneka	a Modified Plastics	Division		
For E	SOP appli GOP appli	cations, answer ALI ications, answer ON	, questions unless otherwise d LY these questions unless oth	erwise airectea.	
VIII. T	TTLE 40 (MISSION continued)	CODE OF FEDER STANDARDS FO	AL REGULATIONS PART OR HAZARDOUS AIR POL	63 (40 CFR PART 63 LUTANTS FOR SOI	JRCE CATEGORIES
W	V. Subpa	rdous Air Pollutants Standards	for Source Categories -		
	3.	The application are designated as Grou requirements of 40	a includes process wastewater p 1 or are determined to be Gr CFR § 63.132(c).	streams that are oup 1 under the	☐ YES ☐ NO
	4.	The application are determined to be G § 63.132(c).	a includes process wastewater roup 2 under the requirements	streams that are of 40 CFR	☐ YES ☐ NO
	5.	All Group 1 wastev total source mass f	vater streams at the site are de ow rate of less than 1 MG/yr.	termined to have a	☐ YES ☐ NO
	6.	streams demonstra	ted and/or partially treated Greated to have a total source mass	s flowrate of less man	YES NO
	7.	The application are manage a partially during treatment.	ea includes waste management treated Group 1 wastewater st	units that receive or ream prior to or	☐ YES ☐ NO
	8.	wastewater stream that is not owned o	er streams or residual removed s are transferred to an on-site or operated by the owner or op te stream or residual.	treatment operation	YES NO
	9.	wastewater stream	er streams or residual removed are transferred to an off-site Question VIII.W.8. and W.9. a. I.	treatment operation.	☐ YES ☐ NO
	10.	manage a Group 1	ea includes waste managemen wastewater stream or a residu er stream prior to shipment or	ial removed from a	YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 51) Federal Operating Permit Program

				T	01150
Date: 6/27/2013 RN No.: RN100218841 Permit No.					o.: O1152
Area Name:	Kanek	a Modified Plastics Di	vision		
For GC)P avvl	ications, answer ONL	questions unless otherwise Y these questions unless of	ner wise air ecteu.	
/III. TITI EMI	LE 40 ((SSION tinued)	CODE OF FEDERAL STANDARDS FOR	L REGULATIONS PAR R HAZARDOUS AIR PO	T 63 (40 CFR PART LLUTANTS FOR SC	OKCE CHIEGO.
W.	Suhn	art VV - National En	nission Standards for Ha vable Control Technolog	zardous Air Pollutan y Standards	ts for Source Categories -
	11.	The application area	includes containers that re r stream or a residual remo	ceive, manage, or treat	☐ YES ☐ NO
	12.	manage, or treat a Gr	includes individual drain stroup 1 wastewater stream ewater stream. **restion VIII.W.12. is "NO"	or a residual removed	☐ YES ☐ NO
	13.	complying with 40 C	includes individual drain a CFR § 63.136 through the systems and control device	ise of covers and, ii	YES NO
	14.	The application area	includes individual drain CFR § 63.136 through the	systems that are	YES NO
	15.	The application area stations, trenches, or process unit; an acry complying with 40 (polycarbonate producer)	includes drains, drain hub r pipes that are part of an a rlic and modacrylic fiber p CFR § 63.1103(b)(3)(i); or	cetal resins production roduction process unit an existing	☐ YES ☐ NO
	16.	The application area stations, trenches or	a includes drains, drain hult pipes that meet the criteri). huestion VIII.W.16. is "NO	a listed in 40 CFR	☐ YES ☐ NO
	17.	The application are stations, trenches or average concentrations by weight of compositions.	a includes drains, drain hur pipes that convey water water on greater than or equal to bunds meeting the definition Part 60, Subpart G, at any	onth a total amulal 10,000 parts per milli on of organic HAP in	on YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 52) Federal Operating Permit Program

	/27/20	12		RN No.:	RN100218841		Permit No.:	O1152
Date: 6/			Modified Plastics	L				
	or SOI	p applio	cations, answer AL cations, answer Ol	L questions VLY these q	uestions unies	3 Other wise did o	cted.	
ш.	TITI EMIS	LE 40 (SSION	CODE OF FEDER STANDARDS FO	AL REGU OR HAZA	JLATIONS P RDOUS AIR	ART 63 (40 CF POLLUTANTS	R PART 63 S FOR SOU	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categor Generic Maximum Achievable Control Technology Standards								
<u></u>		18.	The application are stations, trenches of average concentrate by weight of comparable 9 to 40 CFR greater than or equ	ea includes or pipes that ion greater ounds mee Part 60, S	drains, drain let convey wate than or equal thing the definition uppart G, at an	nubs, manholes, r with a total and to 1,000 parts pe tion of organic I a annual average	lift nual er million HAP in	☐ YES ☐ NO
		19.	The application ar stations, trenches and modacrylic fil affected source or water with a total to 10 ppmw of co. Table 9 to 40 CFF greater than or eq	ea includes or pipes the per product is a new a annual ave mpounds n R Part 60, S	drains, drain at are part of action process ur ffected source rage concentrate the defoulpart G, at a	hubs, manholes, a acetyl resins on it that is part of and the equipmention greater than inition of organinaverage annual	a new ent conveys n or equal c HAP in	□ YES □ NO
		20.	The application a				ss unit.	☐ YES ☑ NO ☐N/A
		21.	The application a ethylene producti If the response to or "N/A," go to (rea include on process <i>Questions</i>	s waste stream unit. VIII.W.20. and	s generated fron	n an	☐ YES ⊠ NO ☐N/A
	<u> </u>	22.	The waste stream CFR § 63.1103(e If the response to VIII.W.53.	(s) contain	s at least one o			☐ YES ☐ NO
		23.	Waste stream(s) If the response to VIII.W.25.	are transfer Question	red off-site fo	r treatment. 'NO, " go to Que	stion	YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 53) Federal Operating Permit Program

 Date: 6	/27/2013		RN No.: RN100218841	Permit No.:	O1152
		neka Modified Plastics I	Division		
F	or SOP ap	oplications, answer ALL applications, answer ON	questions unless otherwise dire LY these questions unless other	wise airectea.	
VIII.	TITLE (EMISSI (continu	40 CODE OF FEDER ION STANDARDS FO ied)	AL REGULATIONS PART 6 OR HAZARDOUS AIR POLL	3 (40 CFR PART 63 UTANTS FOR SOU	THE CATEGORIES
	W. Su	ubpart YY - National I eneric Maximum Achi	dous Air Pollutants andards	for Source Categories -	
	24	4. The application are waste stream(s) price If the response to QUIII.W.54	a has waste management units to transfer off-site for treatmeduestion VIII.W.24. is "YES," go	hat treat or manage ent. o to Question	☐ YES ☐ NO
	25	5. The total annual be Mg/yr as determine	nzene quantity from waste at the daccording to 40 CFR § 61.34	e site is less than 10 2(a).	
	26	6. The application are continuous butadie 8 63 1082(b).	ea contains at least one waste strane waste stream as defined in 40 Question VIII.W.26. is "NO," go	ream that is a 0 CFR	☐ YES ☐ NO
	2.	rate of 0.02 liters n	s) contains at least 10 ppmw 1,3 er minute or is designated for conception VIII.W.27. is "NO," go	ontrol.	☐ YES ☐ NO
	2	wastewater as spec	ements of 40 CFR Part 63, Subposified in 40 CFR § 63.1095(a)(2 se stream(s). Question VIII.W.28. is "NO," g	e) are selected for	☐ YES ☐ NO
	2	29. The application are a continuous butac	ea includes containers that receive liene waste stream.	ive, manage, or treat	
Ju	3	manage or treat a	ea includes individual drain sys continuous butadiene waste street Question VIII.W.30. is "NO", g	eam.	☐ YES ☐ NO
	3	complying with 40	ea includes individual drain sys O CFR § 63.136 through the use at systems and control devices.	stems that are of covers and, if	☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 54) Federal Operating Permit Program

Dit No						· O1152		
Date: 6/27/2013 RN No.: RN100218841 Permit N						: O1132		
Area Name: K	aneka	a Modified Plastics	Division					
For GOP	annli	ications, answer ON	L questions unless otherwise of ILY these questions unless oth	ter wise an c	cted			
VIII. TITLI EMIS (conti	E 40 (SION nued)	CODE OF FEDER STANDARDS FO	AL REGULATIONS PART OR HAZARDOUS AIR POI	C 63 (40 CF)	R PART 63 S FOR SOU	,		
W.	Subp Gene	art YY - National l ric Maximum Ach	Pollutants	for Source Categories -				
	32.	The application are complying with 40	ea includes individual drain sy CFR § 63.136 through the us	estems that a se of water s	ire eals or	☐ YES ☐ NO		
	33.	that receive a conf	ea has containers, as defined in	n.		☐ YES ☐ NO		
	34.	40 CER 8 61 345 1	ea is an alternate means of corequirements for containers. Question VIII.W.34 is "YES",			YES NO		
	35.	Covers and closed the container is mapressure.	-vent systems used for containained at a pressure less the	ners operate an atmosphe	such that	YES NO		
	36.	CFR § 61.341, the	rea has individual drain system treceive or manage a continual Question VIII.W.36. is "NO"	ious butadie	ene wasie	☐ YES ☐ NO		
	37.	meet the 40 CFR	rea is using an alternate mean § 61.346 requirements for inc Question VIII.W.37 is "YES"	nyiquai urai	n systems.	☐ YES ☐ NO		
	38.	CER 8 61 346(a)	rea has individual drain syste Question VIII.W.38 is "NO"			YES NO		



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 55) Federal Operating Permit Program

Date: 6/27/2013	RN No.: RN100218841	Permit No.: O1152
Area Name: Kaneka Modified Plastic	Division	

Area N	ame:	Kaneka	Modified Plastics Division								
<i>F F F</i>	For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. NATIONAL										
VIII.	EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATALOGUE (continued)										
	w.	Generic Maximum Achievable Control Technology Standards									
		39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	YES NO							
		40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). If the response to Question VIII.W.40. is "NO", go to Question VIII.W.43.	☐ YES ☐ NO							
		41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	YES NO							
	<u> </u>	42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☐ NO							
		43.	The application area has at least one waste stream that contains benzene. If the response to Question VIII.W.43 is "NO", go to Question VIII.W.54.	☐ YES ☐ NO							
	,	44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. If the response to Question VIII.W.44. is "NO", go to Question VIII.W.47.	☐ YES ☐ NO							
		45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. If the response to Question VIII.W.45 is "YES", go to Question VIII.W.47.	☐ YES ☐ NO							
		46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO							



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 56) **Federal Operating Permit Program**

	4 		
Date: 6/27/2013	RN No.: RN100218841	Permit No.: O1152	
Area Name: Kaneka Modified Plastics	Division		

For SOP applications, answer ALL questions unless otherwise directed.

For GOP applications, answer ONLY these questions unless otherwise directed TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL

VIII.	EMI	LE 40 SSIOI tinued,	URCE CATEGORIES					
	w.	Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards						
		47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. If the response to Question VIII.W.47. is "NO", go to Question VIII.W.54.	☐ YES ☐ NO				
		48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. If the response to Question VIII.W.48 is "YES", go to Question VIII.W.54.	☐ YES ☐ NO				
		49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). If the response to Question VIII.W.49 is "NO", go to Question VIII.W.51.	☐ YES ☐ NO				
	W.F	50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO				
		51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). If the response to Question VIII.W.51. is "NO", go to Question VIII.W.54.	☐ YES ☐ NO				
		52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ YES ☐ NO				
		53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☐ NO				
	· · · · · · · · · · · · · · · · · · ·	54.	The application area contains a cyanide chemicals manufacturing process. If the response to Question VIII.W.54is "NO", go to Section VIII.X.	☐ YES ⊠ NO				



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 57) Federal Operating Permit Program

 Date: 6/2	27/20	13	~~~~	RN No.: RN100218	841	Permit No.:	O1152
Area Nar	me:]	Kanek	a Modified Plastics	Division			
For	rGO	P anni	lications, answer O	L questions unless oth NLY these questions u	niess other wise air c	ected.	
1	TITI EMIS (cont	R PART 63 S FOR SOU) - NATIONAL IRCE CATEGORIES				
	w.	Subr	ort VV - National	Emission Standards nievable Control Tec	for Hazardous Air hnology Standards	r Pollutants	for Source Categories -
		55.	The cyanide chem	icals manufacturing p ning hydrogen cyanid	rocess generates ma		☐ YES ☐ NO
	X.	Subp Polv	part JJJ - National mers and Resins (Emission Standards	for Hazardous Ai	r Pollutant l	Emissions: Group IV
	· <u></u>	1.	The application as and/or their assoc	rea includes thermopla iated affected sources (5), that are subject to Question VIII.X.1. is	specified in 40 CFR 40 CFR Part 63, Su	ıbpart JJJ.	⊠ YES □ NO
		2.	The application a and/or wastewate	rea includes thermople r streams and wastewe nermoplastic product p Question VIII.X.2 is	astic product proces ater operations that a process units.	s units are	⊠ yes □ no
		3.	All process waste	water streams general re from sources produ Question VIII.X.3. is	ed or managed in the	ne	☐ YES ⊠ NO
		4.	All process waste	ewater streams general are from sources produce Question VIII.X.4. is	ed or managed in the	ne V.	☐ YES ⊠ NO
		5.	The application a	area includes process voup 1 or are determine in 40 CFR § 63.1312	vastewater streams ted to be Group 1 for	that are	☐ YES ⊠ NO
		6.	The application a	area includes process that are Group 2 for o	wastewater streams,	located at ined in	☐ YES ⊠ NO
		7.	The application and new sources, that § 63.1312.	area includes process t t are Group 2 for orga	wastewater streams, nic HAPs as define	located at d in 40 CFR	☐ YES ⊠ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 58) Federal Operating Permit Program

 Date: 6/2	27/2013	, — — — }		RN No.: RN100218841		Permit No.: C	01152
			Modified Plastics	Division			
Fo	or SOP a	applic applic	ations, answer ALI cations, answer ON	L questions unless otherwise ILY these questions unless o	ther wise an c	cted.	
VIII.		40 C SION		AL REGULATIONS PAR OR HAZARDOUS AIR PO	T 63 (40 CE	'R PART 63)	- NATIONAL CE CATEGORIES
	X. S	Subpa Polym	ers and Resins (co	Emission Standards for Ha			
		3.	All Group 1 waster	water streams at the site are lowrate of less than 1 MG/y. Question VIII.X.8. is "YES",	Γ.		⊠ YES □ NO No Group 1 WW Streams
	9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.X.9. is "NO", go to Question VIII.X.11.				of less than	□ YES □ NO	
	10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.		receive or to or	☐ YES ☐ NO			
		11.	wastewater stream that is not owned	er streams or residual removes are transferred to an on-site or operated by the owner or ste stream or residual.	te treatment (peranon	☐ YES ☐ NO
		12.	Group 1 wastewar	ter streams or residual removes are transferred to an off-single Question VIII.X.11 VIII.X.	ite treamiem	operation.	☐ YES ☐ NO
	13. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.					u mom a	☐ YES ☐ NO
	. <u> </u>			Containers	i		
	14. The application area includes containers that receive, manage, or treat Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.					age, or treat a Group 1	YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 59) Federal Operating Permit Program

Date: 6	5/27/20)13	RN	No.: RN100218841	Permit No.: 0	D1152
Area N	Jame:	Kanek	Modified Plastics Divi	sion		
	For SO.	P appli	cations, answer ALL que	estions unless otherwise dir these questions unless other	Wise an ected.	
VIII.	TIT) EMI	LE 40 (SSION tinued)	CODE OF FEDERAL I STANDARDS FOR F	REGULATIONS PART 6 IAZARDOUS AIR POLL	3 (40 CFR PART 63) JUTANTS FOR SOUI	
	Х.	Subp	art JJJ - National Emi; ners and Resins <i>(contin</i>	ssion Standards for Hazai nued)	dous Air Pollutant E	missions: Group IV
<u>-</u>				Drains (continued)		
		15.	manage a Group 1 wastewater str	cludes individual drain syst tewater stream or a residual ream. tion VIII.X.15. is "NO", go	removed from a	YES NO
<u></u>	,	16.	complying with 40 CF	cludes individual drain syst R § 63.136 through the use stems and control devices.	ems that are of covers and, if	☐ YES ☐ NO
		17.	The application area in complying with 40 CF tightly fitting caps or p	scludes individual drain sys R § 63.136 through the use blugs.	tems that are of water seals or	☐ YES ☐ NO
		18.	The application area in	ncludes drains, drain hubs, rare part of an thermoplastic stion VIII.X.18. is "NO", go	product process unit.	☐ YES ⊠ NO
		19.	The application area in trenches or pipes that is	ncludes drains, drain hubs, noted the criteria listed in 40 stion VIII.X.19. is "NO", g	manholes, lift stations, OCFR § 63.149(d) and	
		20.	The application area in trenches, or pipes that	ncludes drains, drain hubs, convey water with a total a than or equal to 10,000 part meeting the definition of o	manholes, lift stations, innual average is per million by	
		21.	transher or nines that	ncludes drains, drain hubs, convey water with a total a than or equal to 1,000 parts	nnuai average	1

of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to

10 liters per minute.



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 60) Federal Operating Permit Program

Detac	Pate: 6/27/2013 RN No.: RN100218841 Permit No.: O1152					
	rea Name: Kaneka Modified Plastics Division					
Area N	fame: K	Kaneka Modified Plastics	Division	inated ====================================		
F	or GOI	P annlications, answer Ol	L questions unless otherwise di VLY these questions unless othe	Wise an ector.		
VIII.	TITL EMIS	E 40 CODE OF FEDER SSION STANDARDS FO Inued)	AL REGULATIONS PART OR HAZARDOUS AIR POL	63 (40 CFR PART 63) LUTANTS FOR SOUR		
	Х.	Subpart JJJ - National Polymers and Resins <i>(c</i>	Emission Standards for Haza ontinued)	ardous Air Pollutant E	nissions: Group IV	
			Drains (continued))		
		trenches or pipes to that is a new affect equipment conveyt greater than or equenting the definition average annual floor	ea includes drains, drain hubs, hat are part of an thermoplastic ted source or part of a new affers water with a total annual averal to 10 parts per million by with the off organic HAP in 40 CFF we rate greater than or equal to	exproduct process unit betted source and the grage concentration eight of compounds & § 63.1312, at an 0.02 liter per minute	□ YES □ NO	
	Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units					
		The application as Subpart UUU - N Pollutants for Peti	ea is subject to 40 CFR Part 63 ational Emission Standards for roleum Refineries: Catalytic C ag Units, and Sulfur Recovery	3, Hazardous Air racking Units,	☐ YES ⊠ NO	
	Z.	Subpart AAAA - Natio Waste (MSW) Landfil	onal Emission Standards for	Hazardous Air Polluta		
*	<u> </u>	The application a Subpart AAAA -	rea is subject to 40 CFR Part 6. National Emission Standards f nicipal Solid Waste Landfills.	3, For Hazardous Air	☐ YES ⊠ NO	
	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)					
		1 The application a	rea is located at a site that incliprimary product one or more of	udes process units that	⊠ YES □ NO	
		2. The application a defined in FCAA	rea is located at a plant site that § 112(a).	nt is a major source as	⊠ YES □ NO	
<u> </u>						



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 61) Federal Operating Permit Program

 Date: 6	5/27/20	13	R	N No.: RN100218841	Perm	nit No.: O	1152					
Area N	lame: I	 Kanek	a Modified Plastics Div	vision								
77	or SOF	appli appli	ications, answer ALL qui ications, answer ONLY	uestions unless otherwise these questions unless o	ine wise an esteur							
VIII.	TITL EMIS	TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued)										
	AA.	Subn	art FFFF - National E	Emission Standards for tion and Processes (MO	Hazardous Air Po N)	ollutants	for Miscellaneous					
		3.	The application area is chemical manufacturing generate one or more at 112(b) of the Clean	s located at a site that income process units (MCPU) of the organic hazardous Air Act or hydrogen halicstion VIII.AA.1, AA.2 or	ludes miscellaneou) that process, use air pollutants liste de and halogen HA	d in AP.	☑ YES □ NO					
		4.	racks, or waste stream	ncludes process vents, st as associated with a misc as subject to 40 CFR 63, se astion VIII.AA.4 is "NO"	enaneous chemica Subpart FFFF.		⊠ YES □ NO					
		5.	The application area if the response to Que VIII.AA.17.	includes process wastewa estion VIII.AA.5 is "NO"	ater streams. I, go to Question	[⊠ YES □ NO					
		6.	designated as Grown	includes process wastew 1 or are determined to be able 8 and Table 9, as ap	Group 1 for comp	ounus [[□ YES ⊠ NO					
<u> </u>		7.	All Group 1 wastewa	ater streams at the site are wrate of less than 1 MG/ uestion VIII.AA.7. is "YE.	yr.		⊠ YES □ NO No Group 1 WW Streams					
		8.	The site has untreated streams demonstrated 1 MG/yr	d and/or partially treated d to have a total source nuestion VIII.AA.8. is "NC	Group 1 wastewar nass flowrate of les	ter	☐ YES ☐ NO					

The application area includes waste management units that receive or

manage a partially treated Group 1 wastewater stream prior to or

during treatment.

9.

☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 62) Federal Operating Permit Program

Date: 6/27/20	 13		RN No.: RN100218841	Permit No.:	O1152
rea Name:	Kanek	a Modified Plastics	Division		
For SOI	o appli P appl	ications, answer ALI lications, answer ON	L questions unless otherwise di ILY these questions unless othe	T TIBE UII COLOUR	
VIII. TITI EMI	LE 40 (SSION (inued)	CODE OF FEDER NSTANDARDS FO	AL REGULATIONS PART OR HAZARDOUS AIR POL	63 (40 CFR PART 63) LUTANTS FOR SOU	
AA.	azardous Air Pollutant	s for Miscellaneous			
	10.	Group 1 wastewater wastewater streams that is not owned or	er streams or residual removed are transferred to an on-site to operated by the owner or operated stream or residual.	from Group I reatment operation	☐ YES ☐ NO
	11.	vioctorioter stream	er streams or residual removed s are transferred to an off-site to Question VIII.AA.10. and VIII.Ation VIII.AA.13.	reaunem operation.	☐ YES ☐ NO
	12.	The application are	ea includes waste management wastewater stream or a residu er stream prior to shipment or	al removed from a	☐ YES ☐ NO
	13.	The application ar	rea includes containers that rece er stream or a residual remove	eive, manage, or treat a	☐ YES ☐ NO
	14.	manage a Group 1	rea includes individual drain sy wastewater stream or a residuter stream. Question VIII.AA.14. is "NO"	iai removed from a	☐ YES ☐ NO
	14.	manage a Group 1 Group 1 wasteward If the response to	wastewater stream or a residu ter stream	iai removed from a	☐ YES ☐ N

VIII.	EMI	- NATIONAL RCE CATEGORIES		
	AA.	Subpa Orga	art FFFF - National Emission Standards for Hazardous Air Pollutants nic Chemical Production and Processes (MON)	s for Miscellaneous
	 	10.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
		11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. If the response to Question VIII.AA.10. and VIII.AA.11. are both "NO", go to Question VIII.AA.13.	☐ YES ☐ NO
**		12.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
		13.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
		14.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. If the response to Question VIII.AA.14. is "NO", go to Question VIII.AA.17.	☐ YES ☐ NO
		15.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
		16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
		17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). If the response to Question VIII.AA.17. is "NO", go to Section VIII.BB.	☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 63) Federal Operating Permit Program

Date: 6/27/2013				RN No.: RN100218841	Permit No.: (01152
Area Na	Area Name: Kaneka Modified Plastics Division					
	or SOF	P appli	cations, answer ALI	L questions unless otherwise direct ULY these questions unless otherwi	50 0101 201	NATIONAL
VIII.	EMIS	SSION inued)	STANDARDS FO	AL REGULATIONS PART 63 (OR HAZARDOUS AIR POLLU		
	AA.	Subp Orga	nic Chemical Prod	al Emission Standards for Hazar luction and Processes (MON)		s for Miscellaneous
		18.	The application are trenches or pipes (manufacturing pro	ea includes drains, drain hubs, man that are part of a miscellaneous che cess unit) that meet the criteria list Question VIII.AA.18 is "NO", go to	ed in 40 CFR	☐ YES ☐ NO
		19.	The application are trenches or pipes to concentration of conference of the total annual load of	ea includes drains, drain hubs, mar hat convey water with a total annu ompounds in table 8 of 40 CFR Pa an or equal to 10,000 ppmw at any of compounds in table 8 of 40 CFR an or equal to 200 lb/yr.	nholes, lift stations, al average rt 63, Subpart flowrate, and the	☐ YES ☐ NO
		20.	The application at trenches or pipes to concentration of	rea includes drains, drain hubs, man that convey water with a total annu- compounds in table 8 of 40 CFR Pa an or equal to 1,000 ppmw, and the trian or equal to 1 liter per minute	art 63, Subpart e annual average	☐ YES ☐ NO
		21.	The application at trenches or pipes that is subject to the and the equipment concentration of Subpart FFFF is combined total at subpart is greater	rea includes drains, drain hubs, mathat are part of a chemical manufathe new source requirements of 40 at conveys water with a combined to compounds in tables 8 and 9 of 40 greater than or equal to 30,000 ppm anual load of compounds in tables than or equal to 1 tpy.	nholes, lift stations, cturing process unit CFR § 63.2445(a); total annual average CFR Part 63, nw, and the 8 and 9 to this	☐ YES ☐ NO
	ВВ	. Sub	part GGGG - Nat ractions for Veget	ional Emission Standards for Ha able Oil Production.		T
		1.	1 it alf a major	area includes a vegetable oil produssource of HAP emissions or, is conher sources that are individually of HAP emissions.	Mocatou William a	☐ YES ⊠ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 64) Federal Operating Permit Program

Date:	6/27/2013	RN No.: RN100218841	Permit No.: O1152
		eka Modified Plastics Division	
	For SOP ap For GOP a	plications, answer ALL questions unless otherwis oplications, answer ONLY these questions unless o	tnerwise aireciea.
VIII.	EMISSI (continu	0 CODE OF FEDERAL REGULATIONS PAI ON STANDARDS FOR HAZARDOUS AIR Po ed))LLUIANIS FOR SOURCE CATEGORIES
	CC. Su	bpart GGGGG - National Emission Standards	for Hazardous Air Pollutants: Site Remediation
	1.	The application area includes a facility at which conducted. If the answer to Question .CC.1. is "NO", go	
***************************************	2.	All site remediations qualify for one of the exercise CFR § 63.7881(b)(1) through (6). If the answer to Question .CC.2. is "YES", go	
	3.	Prior to beginning site remediation activities in total quantity of HAP listed in Table 1 of Subpremoved during all site remediations will be least	oart GGGGG that will be L 1E5 L NO
	4.	The site remediation will be completed within days.	30 consecutive calendar YES NO
	5.	The application area includes containers that materials subject to 40 CFR Part 63, Subpart of the response to Question VIII.CC.5 is "NO	GGGG.
	6.	The application area includes containers using controls as specified in 40 CFR § 63.922(b).	Container Level 1 YES NO
	7.	The application area includes containers with 0.46 m ³ that meet the requirements of 40 CFF (ii).	a capacity greater than § 63.7900(b)(3)(i) and YES NO
	8	The application area includes containers using controls as specified in 40 CFR § 63.923(b).	g Container Level 2 YES NO
	9	The application area includes containers usin controls as specified in 40 CFR § 63.924(b).	g Container Level 3 YES NO
	DD. S	abpart BBBBBB - National Emission Standard ategories: Gasoline Distribution Bulk Termin	s for Hazardous Air Pollutants for Source als, Bulk Plants and Pipeline Facilities
	1	in the state of th	an area source of ☐ YES ☒ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 65) Federal Operating Permit Program

Date: 6/27/2013 RN No.: RN1					18841	Permit No.:	O1152
			a Modified Plastics			<u> </u>	
F	or GO.	P appl	ications, answer Ol	L questions unless o NLY these questions	untess otnerwise at	rected.	
VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIE (continued)							
	DD.	Subp Cates	art BBBBBB - Nat gories: Gasoline D	tional Emission Sta Distribution Bulk T	ndards for Hazard erminals, Bulk Pla	lous Air Pollu nts and Pipeli	tants for Source ne Facilities
		2.	The application are 40 CFR Part 63, So Subpart R.	ea includes a pipelin ubpart BBBBBB, no	e breakout station, a ot subject to 40 CFR	as defined in R Part 63,	☐ YES ☐ NO
	-	3.	The application are 40 CFR Part 63, S	ea includes a pipelir ubpart BBBBBB.	e pumping station a	ns defined in	☐ YES ☐ NO
		4.	CFR Part 63, Subr	ea includes a bulk go part BBBBBB. uestion VIII.DD.4. i			☐ YES ☐ NO
		5.	compliance with a	plant was operating in enforceable State, ad fill as specified in	local or tribal rule	or permit that	☐ YES ☐ NO
		6.	40 CFR Part 63, S	rea includes a bulk g Subpart BBBBB, n part CC. Suestion VIII.DD.6.	ot subject to 40 CFI	K Part 63,	☐ YES ☐ NO
		7.	The bulk gasoline	terminal has a thro	ighput of less than	250,000	☐ YES ☐ NO
		8.		terminal loads gase			☐ YES ☐ NO
	.,	9.	The bulk gasoline If the answer to Q	e terminal loads gaso Question VIII.DD.9.	oline into railcar car is "NO", go to Sect	go tanks. tion VIII.EE.	☐ YES ☐ NO
		10.	The bulk gasoline which do not coll	e terminal loads gase ect vapors from a va	oline into railcar car apor balance system	go tanks	☐ YES ☐ NO

The bulk gasoline terminal loads gasoline into railcar cargo tanks

complies with a Federal, State, local, or tribal rule or permit.

which collect vapors from a vapor balance system and that system

11.

☐ YES ☐ NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 66) Federal Operating Permit Program

Date: 6/27/2013	RN No.: RN100218841	Permit No.: O1152
Area Name: Kaneka Modifi	ied Plastics Division	
♠ For GOP applications.	answer ALL questions unless otherwise dire , answer ONLY these questions unless otherv	vise directed.
VIII. TITLE 40 CODE	OF FEDERAL REGULATIONS PART 63	3 (40 CFR PART 63) - NATIONAL

VIII.	or GO. TITI EMI	P appli	cations, answer ALL questions unless otherwise directed. ications, answer ONLY these questions unless otherwise directed. CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) I STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOU	- NATIONAL RCE CATEGORIES
			atly Promulgated 40 CFR Part 63 Subparts	
*		1	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. If the response to Question VIII.EE.1. is "NO", go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions	□ YES ⊠ NO
♦		2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided	below.
RICE	MACT			
IX.	TIT	LE 40 CIDEN	CODE OF FEDERAL REGULATIONS PART 68 (40 CFR PART 68 T PREVENTION PROVISIONS) - CHEMICAL
	A.	Appl	icability	
*		1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	⊠ YES □ NO
Х.	TIT STR	LE 40 RATOS	CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82 SPHERIC OZONE) - PROTECTION OF
	Α.	Subp	part A - Production and Consumption Controls	
*	<u> </u>	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	YES NO NA
	В.	Subj	part B - Servicing of Motor Vehicle Air Conditioners	
*		1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ YES ⊠ NO
	C.	Sub _l	part C - Ban on Nonessential Products Containing Class I Substances ducts Containing or Manufactured with Class II Substances	and Ban on Nonessential
*		1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ YES ⊠ NO ☐ N/A



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 67) Federal Operating Permit Program

Date: 6/27/2013				RN No.: RN100218841	Permit No.:	O1152
Area Name: Kaneka Modified Plastics				Division		
•	For SOI	P appl P app	lications, answer ALI lications, answer ON	L questions unless otherwise o ILY these questions unless oth	ierwise aireciea.	
Х.	TITI	LE 40	CODE OF FEDER SPHERIC OZONE	AL REGULATIONS PART	T 82 (40 CFR PART 82) - PROTECTION OF
	D.	Subj	part D - Federal Pro			
*		1.	instrumentality of t			YES NO NA
	E.	Sub		ng of Products Using Ozone		I
♦		1.	substance is stored	ea includes containers in whice or transported prior to the saluto the ultimate consumer.	h a Class I or Class II e of the Class I or	☐ YES ☒ NO ☐ N/A
*		2.	The application are distributor, or retain substance.	ea is a manufacturer, importer ler of products containing a C	, wholesaler, lass I or Class II	☐ YES ⊠ NO ☐ N/A
*		3.	The application are distributor, or retai uses a Class I or C	ea is a manufacturer, importer ller of products manufactured lass II substance.	with a process that	☐ YES ⊠ NO ☐ N/A
	F.	Sub	part F - Recycling a	and Emissions Reduction		
*		1.	Servicing, mainten	nance, and/or repair on refrige on appliances using ozone-de tutes is conducted in the appl	pleting retrigerants or	⊠ YES □ NO
*		2.	Disposal of applia	nces (including motor vehicle exempt substitute reclamation	e air conditioners) or	☐ YES ☑ NO ☐ N/A
*		3.		ea manufactures appliances o pment.	r refrigerant recycling	☐ YES ⊠ NO ☐ N/A
	G.	Sub	part G - Significan	t New Alternatives Policy P	rogram	
*		1.	The application ar product substitute intended for use a	rea manufactures, formulates, s, or alternative manufacturin s a replacement for a Class I of Question X.G.1 is "NO", go a	or creates chemicals, g processes that are or Class II compound.	☐ YES ☒ NO ☐ N/A
*		2.	All substitutes pro	oduced by the application area 40 CFR § 82.176(b)(1) - (7).	a meet one or more of	YES NO NA



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 68) Federal Operating Permit Program

						01170		
Date: 6/27/2013				RN No.: RN100218841	Permit No.:	O1152		
	Area Name: Kaneka Modified Plastics Division							
• .	For GO	P appli	ications, answer ON	L questions unless otherwise di VLY these questions unless othe	erwise airectea.			
х.	TITI STR	LE 40 (ATOS	CODE OF FEDER PHERIC OZONE	AL REGULATIONS PART	82 (40 CFR PART 82) - PROTECTION OF		
	н.	Subp	art H -Halon Emis	sions Reduction				
*		1.	Testing, servicing, containing halons i	maintaining, repairing, or dispose s conducted in the application a	osing of equipment area.	☐ YES ⊠ NO ☐ N/A		
♦		2.	Disposal of halons the application area	or manufacturing of halon bler a.	nds is conducted in	☐ YES ⊠ NO ☐ N/A		
XI.	MIS	CELL	ANEOUS					
	Α.	Requ	irements Referenc	e Tables (RRT) and Flowcha	rts			
		1.	The application are	ea contains units that are potent th the TCEQ has not developed	tially subject to a	⊠ YES □ NO		
	В.	Forn	18			1-		
*		1.	regulation for which	ea contains units that are potent the the TCEQ has not developed Question XI.B.1 is "NO" or "N	d a unit attribute form.			
*		2.	Provide the Part as Division designati	nd Subpart designation for the toon for the State regulation(s) in	federal rule(s) or the C the space provided be	hapter, Subchapter and slow.		
NSP MA(S, Subp CT, Sub	art IIII part FF	FFF – Fugitive Emis	sions				
	C.		ssion Limitation C					
*		1.	The application ar emission limitation	ea includes units for which fed ns have been established by ce	lerally enforceable rtification.	☐ YES ⊠ NO		
IL								



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 69) Federal Operating Permit Program

Date: 6/27/2013				RN No.: RN100218841	Permit No.:	O1152	
	rea Name: Kaneka Modified Plastics Division						
•	For SOI For GO	P appli P appl	ications, answer ALI lications, answer ON	questions unless otherwise di LY these questions unless othe	rected. erwise directed.		
XI.	MIS		ANEOUS (continue				
	D.		native Means of Co cirements	ntrol, Alternative Emission	Limitation or Standar		
		1.	The application are requirement of the	a is located at a site that is substate implementation plan (SII	ject to a site specific	☐ YES ⊠ NO	
		2.		a includes units located at the		☐ YES ⊠ NO	
	<u>.</u>	3.	The application are	a includes units which demon- emeans of control, alternative ent requirements approved by	emission limitation of	☐ YES ⊠ NO	
	E.	Tit	tle IV - Acid Rain P	rogram			
	<u> </u>	1.	The application are	ea includes emission units subj cluding the Opt-In Program.	ect to the Acid Rain	☐ YES ⊠ NO	
		2.		ea includes emission units qua	lifying for the new unit	☐ YES ⊠ NO	
		3.		ea includes emission units qua	lifying for the retired	☐ YES ⊠ NO	
F. Clean Air Interstate Rule (CAIR NO _x and CAIR SO ₂ Permit)							
		1.	The application ar	ea includes emission units sub e Clean Air Interstate Rule. Question XI.F.1. is "NO", go	ject to the	☐ YES ⊠ NO	
	<u> </u>	2.	The application ar	ea includes emission units quander 40 CFR §§ 96.105 and 96	lifying for the retired	YES NO	



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 70) Federal Operating Permit Program

Date: 6/27/2013			-	RN No.: RN100218841	Permit No.:	O1152		
Area Name: Kaneka Modified Plastics Division								
*	For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed.							
XI.	MIS	CELL	ANEOUS (continue	ed)				
	G.	Perm	it Shield (SOP App			Maria Claro		
		1.	A permit shield for (Negative Applicator already exists in	negative applicability entries le Requirement Determination the permit.	s on Form OP-REQ2 ons) is being requested	✓ YES ☐ NOOP-REQ2 included butShield not requested.		
	н.	GOP	Type (Complete tl	nis section for GOP applicat	tions only)			
•		1.	The application are renewal of an oil at Gas General Opera Denton, El Paso, F	a is applying for initial issuant gas general operating perneting Permit for Brazoria, Chaort Bend, Galveston, Hardin, ery, Orange, Tarrant, and Wa	nce, revision, or nit under 511 - Oil and nmbers, Collin, Dallas, Harris, Jefferson,	YES NO		
*		2.	renewal of an oil a	ea is applying for initial issuand gas general operating permiting Permit for Gregg, Nucce	nit under 512 - Oil and	YES NO		
*		3.	renewal of an oil a Gas General Opera	ea is applying for initial issuand gas general operating permiting Permit for Aransas, Bexatricio, and Travis Counties.	nit under 513 - Oil and	☐ YES ☐ NO		
*		4.	renewal of an oil a Gas General Oper Bexar, Brazoria, C	ea is applying for initial issuand gas general operating per ating Permit for All Texas Co alhoun, Chambers, Collin, D ton, Gregg, Hardin, Harris, Jo gomery, San Patricio, Tarrant	ounties Except Aransas, vallas, Denton, El Paso, efferson, Liberty,	☐ YES ☐ NO		
*		5.	renewal of a solid	ea is applying for initial issua waste landfill general operat lid Waste Landfill general op	ing permit under	☐ YES ☐ NO		



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 71) Federal Operating Permit Program

Date: 6/27/2013			RN No.: RN100218841	Permit No.:	O1152			
Area	Name: Kanel							
•	For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed.							
XI.	MISCELI	ANEOUS (continue	ed)					
	I. Title	e 30 TAC Chapter 1	01, Subchapter H					
♦	1.	The application are If the response to Q	a is located in a nonattainment area. Question XI.I.1. is "NO", go to questio	n XI.I.3.	⊠ YES □ NO			
♦	2.	The applicant has of the TCEQ Emission	or will generate emission reductions to ns Banking and Trading Program.	be credited in	☐ YES ⊠ NO ☐ N/A			
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.			☐ YES ☒ NO ☐ N/A			
♦	4.	The application are	ea is located at a site in the D'Brazoria nonattainment area where the noontrolled design capacity to emit 10	⊠ YES □ NO				
♦	5.	The application are under 30 TAC Cha	ea includes an electric generating facil apter 116, Subchapter I.	ity permitted	☐ YES ⊠ NO			
*	6.	The application are Houston/Galveston potential to emit in compounds (HRV	ea is located at a site in the n/Brazoria nonattainment area and the nore than 10 tpy of highly-reactive vol OC) from facilities covered under 30 (1), Divisions 1 and 2.	atile organic	☐ YES ⊠ NO			
*	↑ The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potentia to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapte 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.							
	J. Per	iodic Monitoring						
*	1.	The applicant or r	permit holder is submitting or has prevone periodic monitoring proposal descriptions.	iously cribed on Form	⊠ YES □ NO			



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 72) Federal Operating Permit Program

		Permit No.: O1152
Date: 6/27/2013	RN No.: RN100218841	Perint No.: 01132
Area Name: Kaneka Modified Plastics	Division	

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. MISCELLANEOUS (continued) XI. **Compliance Assurance Monitoring** K. The application area includes at least one unit with a pre-control device YES □ NO 1. potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. If the response to Question XI.K.1. is "NO", go to Section XII. X YES NO The unit or units defined by XI.K.1 are using a control device to 2. comply with an applicable requirement. If the response to Question XI.K.2. is "NO", go to Section XII. ▼YES □ NO The permit holder has submitted a CAM proposal on Form OP-MON 3. in a previous application. The owner/operator or permit holder is submitting a CAM proposal on ☐ YES 🖾 NO 4. Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. ☐ YES ⊠ NO The owner/operator or permit holder is submitting a CAM 5. implementation plan and schedule to be incorporated as enforceable conditions in the permit. Provide the unit identification numbers for the units for which the applicant is submitting a CAM 6. implementation plan and schedule in the space below. ☐ YES 🔀 NO At least one unit defined by XI.K.1. and XI.K.2. is using a CEMS, 7. COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). ☐ YES ☒ NO All units defined by XI.K.1. and XI.K.2. are using a CEMS, COMS or 8. PEMS meeting the requirements of 40 CFR § 64.3(d)(2). If the response to Question XI.K.8. is "YES", go to Section XII. ☐ YES 🖾 NO The CAM proposal as described by question XI.K.3.or XI.K.4. 9. addresses particulate matter or opacity. The CAM proposal as described by question XI.K.3.or XI.K.4. 10. addresses VOC. ☐ YES ⊠ NO The control device in the CAM proposal as described by question 11. XI.K.3.or XI.K.4. has a bypass.



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 73) Federal Operating Permit Program

Date: 6/27/2013				RN No.: RN100218841		Permit No.:	O1152		
Area	Name:	Kanek	a Modified Plastics I	Division					
_	For SO	P appli	ications, answer ALI	L questions unless otherwi. ILY these questions unless	ise directed. otherwise direc	:ted.			
XII.	AND TAXABLE PARTY OF THE PARTY								
	A. Waste Permits with Air Addendum								
*		1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. If the answer to XII.A.1. is "YES", include the waste permit numbers and issuance date in Section XII.J.				☐ YES ⊠ NO		
B. Air Quality Standard Permits									
*		1.	NSR authorization. If the response to X to XII.B.1 is "YES"	a includes at least one Air TI.B.1 is "NO", go to Sect ', be sure to include the sto rs in Section XII.H, and an	tion XII.C. If th andard permit's	se response	☐ YES ⊠ NO		
♦		2.	The application are Air Quality Standar	ea includes at least one "Pord Permit NSR authorizati	ollution Control	Project"	YES NO		
♦		3.	The application are Facilities" Air Qua	ea includes at least one "M lity Standard Permit NSR	lodification of C authorization.	Oil and Gas	☐ YES ☐ NO		
*		4.	The application are Landfill" Air Quali 30 TAC § 116.621.	ea includes at least one "M ity Standard Permit NSR a	funicipal Solid 'authorization un	Waste der	☐ YES ☐ NO		
*		5.	Landfill Facilities a	ea includes at least one "M and Transfer Stations" Sta apter 330, Subchapter U.	funicipal Solid ` ındard Permit aเ	Waste ithorization	☐ YES ☐ NO		
		6.	The application are Quality Standard P	ea includes at least one "C Permit NSR authorization.	Concrete Batch F	lant" Air	☐ YES ☐ NO		
		7.	The application are Enhanced Controls	ea includes at least one "Cs" Air Quality Standard Pe	Concrete Batch I Ermit NSR autho	Plant with orization.	☐ YES ☐ NO		
-		8.	The application are Quality Standard P	ea includes at least one "H Permit NSR authorization.	lot Mix Asphalt	Plant" Air	☐ YES ☐ NO		
*		9.	The application are Standard Permit N	ea includes at least one "R SR authorization.	lock Crusher" A	kir Quality	☐ YES ☐ NO		



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 74) Federal Operating Permit Program

Date: 6/27/2013				RN No.: RN100218841	Permit No.:	O1152		
Area Name: Kaneka Modified Plastics Division								
For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed.								
XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (continued)								
B. Air Quality Standard Permits								
•		10.	Air Quality Standar	a includes at least one "Electric Generard Permit NSR authorization. "II.B. 10 is "NO", go to Question XII.B.		☐ YES ☐ NO		
*		11.	For purposes of "E. Permit, the applicat	lectric Generating Unit" Air Quality St tion area is located in the East Texas R	tandard egion.	☐ YES ☐ NO		
•		12.	For purposes of "E. Permit, the applicat	lectric Generating Unit" Air Quality St tion area is located in the West Texas I	tandard Region.	☐ YES ☐ NO		
*		13.	The application are Standard Permit NS	a includes at least one "Boiler" Air Qu SR authorization.	ıality	YES NO		
	C.	Flexi	Flexible Permits					
*	<u> </u>	1.	The application are authorization.	a includes at least one Flexible Permit	NSR	☐ YES ☒ NO		
	D. Multiple Plant Permits							
	***	1.	The application are authorization.	ea includes at least one Multi-Plant Per	mit NSR	☐ YES ⊠ NO		



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 75) Federal Operating Permit Program

	 		l ""				l.		
Date: 6/27/2013	RN No.: RN100218841		Permit No.: O1152						
	Area Name: Kaneka Modified Plastics Division								
For SOP applications, answer A For GOP applications, answer	4LL questions unless otherwise a ONLY these questions unless oth	lirected. erwise dire	ected.						
XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (Attach additional sheets if necessary)									
♦ E. PSD Permits and PSD Major Pollutants									
PSD Permit No.:	Pollutan	t(s)							
PSD Permit No.:	Pollutan	t(s)				· 			
PSD Permit No.:	Pollutan	t(s)							
PSD Permit No.:	Pollutan	t(s)							
♦ F. Nonattainment (NA) Permits and NA Major Pollutants									
NA Permit No.:	Pollutan	t(s)							
NA Permit No.:	Pollutan	t(s)							
NA Permit No.:	Pollutar	it(s)							
NA Permit No.:	Pollutar	t(s)							
♦ G. NSR Authorizations	♦ G. NSR Authorizations with FCAA § 112(g) Requirements								
NSR Permit No.:	NSR Pe	NSR Permit No.:							
NSR Permit No.:	NSR Pe	NSR Permit No.:							
NSR Permit No.:	NSR Pe	NSR Permit No.:							
♦ H Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area.									
Authorization No.: 9092	Authori	Authorization No.:							
Authorization No.:	Authori	Authorization No.:							
Authorization No.:	Authori	Authorization No.:							
Authorization No.:	Authori	Authorization No.:							
Authorization No.:	Authori	Authorization No.:							
Authorization No.:	Author	Authorization No.:							
Authorization No.:	Author	zation No.	•						

Authorization No.:



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 76) **Federal Operating Permit Program**

Date: 6/27/2013	RN No.: RN100218841	Permit No.: O1152
Area Name: Kaneka Modified Plastics	s Division	

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (Attach additional sheets if necessary) XII. Permits by Rule (30 TAC Chapter 106) for the Application Area I. A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions. Version No./Date: 9/4/2000 PBR No.: 106.262 Version No./Date: 11/1/2001 PBR No.: 106.263 Version No./Date: 9/4/2000 PBR No.: 106.371 PBR No.: 106.393 Version No./Date: 9/4/2000 Version No./Date: 9/4/2000 PBR No.: 106.432 Version No./Date: 9/4/2000 PBR No.: 106,433 Version No./Date: 9/4/2000 PBR No.: 106.472 Version No./Date: 9/4/2000 PBR No.: 106.478 Version No./Date:9/4/2000 PBR No.:106.373 Version No./Date:9/4/2000 PBR No.:106.124 Version No./Date:9/4/2000 PBR No.:106.511 Version No./Date: PBR No.: Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum

V 3, Municipal Sona Waste and 2		
Permit No.:	Permit No.:	

Form OP-REQ2 Negative Applicable Requirement Determination



Texas Commission on Environmental Quality Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

Date: 6/27/2013	Regulated Entity No.: RN100218841	Permit No.: O1152
Company Name: Kaneka North America LLC	Area Name: Kaneka Modified Plastics Division	

		Unit/Group/Process				
Unit AI	Revision No.	ID No.	Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
	3	Z-3654	OP-REQ2	MACT FFFF	63.2550(i)	Continuous process vent designated as Group 2. No emission limits or work practice standards apply to Group 2 process vents.
	4	Z-3655	OP-REQ2	MACT FFFF	63.2550(i)	Continuous process vent designated as Group 2. No emission limits or work practice standards apply to Group 2 process vents.
	11	WW-1C	OP-REQ2	MACT FFFF	63.2485	Line 3 waste water designated as group 2. Not subject to the MON wastewater control provisions listed in or referenced by §63.2485 and Table 7 of Subpart FFFF.
	13	T-121	OP-REQ2	МАСТ ЈЈЈ	63.1312(b)	Storage vessel designated as Group 2. The true vapor pressure of styrene at maximum storage conditions is below 0.75 psia, the lowest vapor pressure threshold for which a tank is designated Group 1 under this Subpart.
	14	T-2121	OP-REQ2	MACT JJJ	63.1312(b)	Storage vessel designated as Group 2. The true vapor pressure of styrene at maximum storage conditions is below 0.75 psia, the lowest vapor pressure threshold for which a tank is designated Group 1 under this Subpart.

TCEQ-10017 (Revised 10/07) OP-REQ2 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically (APDG 5741 v2)

Page _____ of ____

24	Z-3753	OP-REQ2	30 TAC 115, Subchapter H, Division 2	115.767(3)	HRVOC requirements do not apply to recirculating heat exchange systems used to cool process fluids that contain <5% HRVOC by weight
25	Z-2753	OP-REQ2	30 TAC 115, Subchapter H, Division 2	115.767(3)	HRVOC requirements do not apply to recirculating heat exchange systems used to cool process fluids that contain <5% HRVOC by weight
26	Z-2753B	OP-REQ2	30 TAC 115, Subchapter H, Division 2	115.767(3)	HRVOC requirements do not apply to recirculating heat exchange systems used to cool process fluids that contain <5% HRVOC by weight
27	Z-2753	OP-REQ2	MACT JJJ	63.104(a)(5)	MACT JJJ requirements do not apply to recirculating heat exchange systems used to cool process fluids that contain <5% HAP by weight (as listed in Table 4)
28	Z-2753B	OP-REQ2	MACT JJJ	63.104(a)(5)	MACT JJJ requirements do not apply to recirculating heat exchange systems used to cool process fluids that contain <5% HAP by weight (as listed in Table 4)

TCEQ-10017 (Revised 05-15-02) OP-REQ2 Instructions This form for use by facilities subject to air quality permit requirements and may be revised periodically [APDG 5392v21]

Παγε ___ οφ ___

Form OP-UA4 Loading and Unloading of Volatile Organic Compounds



Loading/Unloading Operations Attributes Form OP-UA4 (Page 1) Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date: 6/27/2013Permit No.: O1152Regulated Entity No.: RN100218841Area Name: Kaneka Modified Plastics DivisionCustomer Reference No.: CN604059352

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Throughput	Control Options
T-121		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
T-2121		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
T-130		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
T-2130		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
T-140		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
T-150		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
V-3336		OTHER	NONE		VOC1	UNLOAD	0.5+	NCE2	BAL
		:							



Loading/Unloading Operations Attributes Form OP-UA4 (Page 2) Federal Operating Permit Program

Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date: 6/27/2013	Permit No.: O1152	Regulated Entity No.: RN100218841
Area Name: Kaneka Modified	Plastics Division	Customer Reference No.: CN604059352

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor- Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
T-121		NONE		NO				
T-2121		NONE		NO				
T-130		NONE		NO				
T-2130		NONE		NO				
T-140		NONE		NO				
T-150		NONE		NO				
V-3336		NONE		NO				

Form OP-UA13 Cooling Tower Attributes



Cooling Tower Attributes Form OP-UA13 (Page 4) Federal Operating Permit Program

Table 3b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter H, Division 2: Cooling Tower Heat Exchange Systems

Date: 6/27/2013	Permit No.: O1152	Regulated Entity No.: RN100218841
Area Name: Kaneka Modified Plastics I	Division	Customer Reference No.: CN604059352

SOP Index No.	Jacketed Reactor	Design Capacity	Finite Volume System	Flow Monitoring/ Testing Method	Total Strippable VOC	On-Line Monitor
R5760	NO	8000-	NO	DATA	NO	NO
		SOP Index No. Reactor	Reactor Capacity	SOP Index No. Jacketed Design Volume System	SOP Index No. Jacketed Besign Volume System Flow Mointoring/ Testing Method	SOP Index No. Jacketed Reactor Capacity Volume System Flow Monitoring/ Testing Method Strippable VOC

TCEQ 10029 (Revised 11/11) OP-UA13 - Form This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5786v9)

Page _____ of ____



Cooling Tower Attributes Form OP-UA13 (Page 7) Federal Operating Permit Program

Table 6: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic
Chemical Manufacturing

Date: 6/27/2013	Permit No.: 01152	Regulated Entity No.: RN100218841
Area Name: Kaneka Modified Plastics I	Division	Customer Reference No.: CN604059352

Unit ID No.	SOP Index No.	Monitoring
Z-3753		YES

TCEQ 10029 (Revised 11/11) OP-UA13 - Form This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5786v9)

Page _____ of ____

Form OP-UA60 Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 7) Federal Operating Permit Program

Table 4: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Date: 6/27/2013	Permit No.: O1152	Regulated Entity No.: RN100218841	
Area Name: Kaneka Modified Plastics Division		Customer Reference No.: CN604059352	

Process ID No.	SOP Index No.	Exempted Process	Primary Product	Flexible Unit	No Organic HAP	Existing Source
LINE 1&2 RTO	63JJJ	NO	YES	NO	NO	YES
		·				
		_				

TCEQ 10296 (Revised 04/12) OP-UA60 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)

Page ____ of ____



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 11) Federal Operating Permit Program

Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical
Manufacturing - MCPU Processes with Batch Vents

Date: 6/27/2013	Permit No.: O1152	Regulated Entity No.: RN100218841
Area Name: Kaneka Modified I	Plastics Division	Customer Reference No.: CN604059352

Process ID No.	SOP Index No.	Designated Grp1	Determined Grp1	Vent Emission Control
BATCH3		YES	NO	CCD
LINE 3 RTO		YES	NO	CCD

TCEQ 10296 (Revised 04/12) OP-UA60 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)

Page____ of ____



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 12) Federal Operating Permit Program

Table 6b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes with Batch Vents

Date: 6/27/2013	Permit No.: O1152	Regulated Entity No.: RN100218841
Area Name: Kaneka Modified Plastics Division		Customer Reference No.: CN604059352

Process ID No.	SOP Index No.	Designated HAL	Determined HAL	Scrubber	Prior Eval	Assessment Waiver	Assessment Waiver ID	Negative Pressure	Bypass Line
ВАТСН3		NO	NO	NO	YES			NO	NO
LINE 3 RTO		NO	NO	NO	YES			NO	NO

TCEQ 10296 (Revised 04/12) OP-UA60 Form
This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)

Page	of

Form OP-ACPS Application Compliance Plan and Schedule



Date: 6/27/2013	Regulated Entity No.: RN1002188	841	Permit No.: O1152	
Company Name: Kaneka North America LLC		Area Nai	ne: Kaneka Modified Plastics Division	

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(e)(9).

Part 1

A.	Compliance Plan — Future Activity Committal Statement
As t	Responsible Official commits, utilizing reasonable effort, to the following: he responsible official it is my intent that all emission units shall continue to be in compliance with all applicable are currently in compliance with, and all emission units shall be in compliance by the compliance dates any applicable requirements that become effective during the permit term.
<u> </u>	
В.	Compliance Certification — Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)
1.	With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?
2.	Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?
3.	If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. (For reference only)
*	For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status. For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122. Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.



Date: 6/27/2013	Regulated Entity No.: RN100218841	Permit No.: O1152
Company Name: Kaneka North Ar	nerica LLC	Area Name: Kaneka Modified Plastics Division

Part 2

A. Compliance Schedule

If there are non-compliance situations ongoing at time of application, then complete a <u>separate</u> OP-ACPS Part 2 for <u>each</u> separate non-compliance situation. (See form instructions for details.) If there are no non-compliance situations ongoing at time of application, then this section is not required to be completed.

1. Specific Non-Compliance Situation

Unit/Group/Process			Applicable Requirement		
ID. No(s).	SOP Index No.	Pollutant	Citation	Text Description	
T-140		VOC	§60.112b(a)(3)(ii)	The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater.	

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method

Citation	Text Description	Location of Records/Documentation
§60.113b(c)	Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions.	Environmental Department

3. Non-compliance Situation Description

T-140 is a NSPS Kb tank with a fixed roof that utilizes vapor balance during loading operations; however, there is currently no controls for breathing losses from the tank.

TCEQ - 10100 (Revised 05/12) OP-ACPS - Application Compliance Plan and Schedule Form This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5876 v2)

Page	of	•



Permit No.: O1152

Dat	e: 6/27/2013	Regulated Entity No.: RN100218841	Permit No.: O1152		
Con	Company Name: Kaneka North America LLC Area Name: Kaneka Modified Plastics Division				
Part	t 2 (continued)				
4.	Corrective Action I	Plan Description			
Des	sign a system to contro	ol tank breathing losses. This will require a capital	expenditure and detailed engineering design.		
5.	List of Activities/M	lilestones to Implement the Corrective Action Plan			
1	Determine scope	of project to achieve control for breathing losses.			
2	Construct as need	ded based on design.			
3	Implement the new control system.				
4					
5					
-			Type of Action	Date Submitted	

TCEQ - 10100 (Revised 05/12) OP-ACPS - Application Compliance Plan and Schedule Form This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5876v2)

NA

NA

Previously Submitted Compliance Plan(s)

Progress Report Submission Schedule

NA



Date: 6/27/2013	Regulated Entity No.: RN100218841		Permit No.: O1152	
Company Name: Kaneka Noi	rth America LLC	Area Name	: Kaneka Modified Plastics Division	

Part 2

A. Compliance Schedule

If there are non-compliance situations ongoing at time of application, then complete a separate OP-ACPS Part 2 for each separate non-compliance situation. (See form instructions for details.) If there are no non-compliance situations ongoing at time of application, then this section is not required to be completed.

L. Specific Non-Compliance Situation

Unit/Group/Process				Applicable Requirement	
ID. No(s). SOP Index No.		Pollutant Citation		Text Description	
T-130	NA	VOC	§63.2470(a)	Reduce HAP emissions by ≥95% by weight or ≤20ppmv TOC or organic HAP.	

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method

Citation	Text Description	Location of Records/Documentation
63.6(f)(2)-(3)	Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions.	Environmental Department

3. Non-compliance Situation Description

T-130 is a MON Group 1 tank with a fixed roof that utilizes a scrubber to control emissions during loading operations; however there is currently no controls for breathing losses from the tank.



Date: 6/27/2013	Regulated Entity No.: RN100218841	Pern	nit No.: O1152
Company Name: Kaneka North Ar	merica LLC	Area Name: Kan	eka Modified Plastics Division

Part 2 (continued)

4.	Corrective Action Plan Description					
Des	ign a system to control tank breathing losses. Thi	s will require a capital expenditure and detailed engin	eering design.			
5.	List of Activities/Milestones to Implement the C	Corrective Action Plan				
1	Determine scope of project to achieve control f	or breathing losses.				
2	Construct as needed based on design.					
3	Implement the new control system.					
4						
5						
		Type of Action	Date Submitted			
6.	Previously Submitted Compliance Plan(s)	NA	NA			
7.	Progress Report Submission Schedule NA					



Date: 6/27/2013	Regulated Entity No.: RN100218841	
Company Name: Kaneka	North America LLC	Area Name: Kaneka Modified Plastics Division

Part 2

Compliance Schedule

If there are non-compliance situations ongoing at time of application, then complete a separate OP-ACPS Part 2 for each separate non-compliance situation. (See form instructions for details.) If there are no non-compliance situations ongoing at time of application, then this section is not required to be completed.

Specific Non-Compliance Situation

		ompiname		Applicable Requirement	
ļ	Unit/Group/Process ID, No(s).	SOP Index No.	Pollutant	Citation	Text Description
		NA	VOC	§63.2470(a)	Reduce HAP emissions by ≥95% by weight or to ≤20ppmv TOC or organic HAP
I	1-140		ļ <u>.</u>		

Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method

Comphanic States 125 case					
Citation	Text Description	Location of Records/Documentation			
63.6(f)(2)-(3)	Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions	Environmental Department			

Non-compliance Situation Description

T-140 is a MON Group 1 tank with a fixed roof that utilizes vapor balance during loading operations; however, there is currently no controls for breathing losses from the tank.



Date: 6/27/2013	Regulated Entity No.: RN100218841	Permit No.: O1152
Company Name: Kaneka North A	merica LLC	Area Name: Kaneka Modified Plastics Division

Part 2 (continued)

4.	Corrective Action Plan Description						
Desi	esign a system to control tank breathing losses. This will require a capital expenditure and detailed engineering design.						
5.							
1	Determine scope of project to achieve control for	or breathing losses.					
2	Construct as needed based on design.						
3	Implement the new control system.						
4							
5							
-		Type of Action	Date Submitted				
6. Previously Submitted Compliance Plan(s) NA							
7.	Progress Report Submission Schedule	NA					

Form OP-CRO1 Certification by Responsible Official



Form OP-CRO1 Certification by Responsible Official Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION			
A. RN:100218841	RN:100218841 B. CN: 6040		C. Account No.: HG-1065-E
D. Permit No.: O1152 E. Project No.:			
F. Area Name: Kaneka Modified Plastics Division			
G. Company Name: Kaneka North America, LLC			
II. CERTIFICATION TYPE (Please mark the appropriate box)			
A. Responsible Official:		B. Duly Authorized Representative:	
III. SUBMITTAL TYPE (Place an "X" in the appropriate box) (Only one response can be accepted per form)			
SOP/TOP Initial Permit Application		Update to Peri	mit Application
GOP Initial Permit Application		Permit Revision, Renewal, or Reopening	
Other:			
IV. CERTIFICATION OF TRUTH			
This certification does not extend to information which is designated by the TCEQ as information for reference only.			
I, Steve Skarke , certify that I am the RO for this application (Certifier Name printed or typed) (RO or DAR)			(RO or DAR)
and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period in Section IV.A below, or on the specific date(s) in Section IV.B below, are true, accurate, and complete:			
Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).			
A. Time Period: Fromto			
OR			
B. Specific Dates: 6/27/2013 Date 1* Date 2* Date 3* Date 4* Date 5* Date 6* Date 7* Date 8*			
" " " " " " " " " " " " Indate to Permit Application and there are multiple			
uncertified submittals; or a submittal package has multiple adies recorded in the documentation. Do not the			
if the "Submittal Type" is 'Other.'			
	Joens	1/2	Signature Date: 06/27/13
Signature: Signature Succession Signature Succession Signature			
Title: Executive Vice President of Operations			